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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In Re:	)	Docket No. 000404-804
Applicant: Robert R. Rice, et al.	)	
Serial No.: 10/692,999	)	Group Art: 3736
Filed: October 23, 2003	)	
For: Robust And Low Cost Optical System	)	Examiner:
For Sensing Stress, Emotion and	)	
Deception In Human Subjects	)	

**CERTIFICATE OF MAILING**

I hereby certify that this correspondence is being deposited with the United States Postal Service as first class mail in an envelope addressed to: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22231-1450 on 11/1/01

3/22/05 By Lorne Schuch

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

## **SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT**

Sir:

Pursuant to 37 C.F.R. §1.56, the references listed on the attached Form PTO-1449 are being submitted for consideration by the Examiner without any admission that they constitute statutory prior art, or without any admission that they contain subject matter that anticipates the invention or renders the invention obvious to a person of ordinary skill in the art.

Further, pursuant to 37 C.F.R. §1.97(e), the undersigned hereby certifies that each listed reference was first cited in a Communication (copy enclosed) from a foreign patent office in connection with a counterpart foreign application not more than three months prior to the filing of this statement.

Although no fees are believed to be due at this time, it is respectfully requested that any such fees be charged to Deposit Account 14-1325. Also, the Examiner is requested to initial the attached PTO Form-1449 and to return a copy of same to the undersigned attorney as proof that the listed references have been considered and made of record.

Respectfully submitted,

Dated: 3/22/05

By Noel F. Heal  
Noel F. Heal  
Reg. No. 26,074

In c/o: Northrop Grumman – Space Technology  
One Space Park, Bldg. E1/2041  
Redondo Beach, CA 90278  
Telephone: 310.812.4910  
Fax: 310.812.2687



*(Use as many sheets as necessary)*

Sheet	1	of	2
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**Complete if Known**

Application Number	10/692,999
Filing Date	10/23/2003
First Named Inventor	Robert R. Rice
Art Unit	3736
Examiner Name	
Attorney Docket Number	000404-804

[illegible][illegible]Date  
Considered

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Substitute for form 1449/PTO

# INFORMATION DISCLOSURE STATEMENT BY APPLICANT

**(Use as many sheets as necessary)**

Sheet	1	of	2
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**Complete if Known**

Application Number	10/692 999
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Filing Date	10/23/2003
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First Named Inventor	Robert R. Rice
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Art Unit	3736
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**Examiner Name**

Attorney Docket Number	000404-804
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## U. S. PATENT DOCUMENTS

[illegible]

## FOREIGN PATENT DOCUMENTS

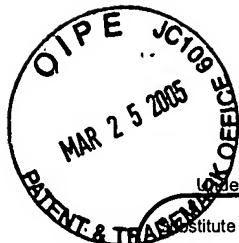
[illegible]

Examiner Signature		Date Considered	
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\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. <sup>1</sup> Applicant's unique citation designation number (optional). <sup>2</sup> See Kinds Codes of USPTO Patent Documents at [www.uspto.gov](http://www.uspto.gov) or MPEP 901.04. <sup>3</sup> Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). <sup>4</sup> For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>5</sup> Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. <sup>6</sup> Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

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## INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(Use as many sheets as necessary)

### Complete if Known

Application Number 10/692,999

Filing Date 10/23/2003

First Named Inventor Robert R. Rice

Art Unit 3736

Examiner Name

Attorney Docket Number 000404-804

Sheet

2

of

2

### NON PATENT LITERATURE DOCUMENTS

Examiner Initials*	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T <sup>2</sup>
		ESSA I A ET AL: "CODING, ANALYSIS, INTERPRETATION, AND RECOGNITION OF FACIAL EXPRESSIONS", IEEE Transactions on Pattern Analysis And Machine Intelligence, IEEE Inc., New York	
		Vol. 19, no. 7, July 1997	
		TIAN Y-L ET AL: "RECOGNIZING ACTION UNITS FOR FACIAL EXPRESSION ANALYSIS", IEEE Transactions on Pattern Analysis AND Machine Intelligence, IEEE Inc., New York	
		Vol. 23, no. 2, 1, February 2001	

Examiner  
Signature

Date  
Considered

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1 Applicant's unique citation designation number (optional). 2 Applicant is to place a check mark here if English language Translation is attached. This collection of information is required by 37 CFR 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

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